

SAF-RC-040
300 Area D&D Waste Characterization
Sampling - Other Solid
FINAL DATA PACKAGE

COMPLETE COPY OF DATA PACKAGE TO:

Mike Stankovich

L1-01

KW 11/27/07
INITIAL/DATE

COMMENTS:

SDG 07-A-6463

SAF-RC-040

Rad only

X Chem only

Rad & Chem

X Complete

Partial

Sample Location/Waste Site: 309 Bldg

RECEIVED
DEC 06 2007
EDMC



Page 1 of 11

SUBMITTED TO:

Joan Kessner
Washington Closure Hanford
2620 Fermi Avenue, MSIN H4-21
Richland, WA 99354

REFERENCE DATA:

Client Sample No.:	J15WJ8 through J15WN1
P.O. No.:	Not Available
Sample Location:	309
Sample Type:	Bulk
Method Reference:	EPA-600/R-93/116
DCL Set ID No.:	07-A-6463
DCL Sample ID No.:	07-37417 through 07-37447
Sample Receipt Date:	11/13/07
Analysis Date:	11/16/07 through 11/19/07

We certify that the following samples were prepared and analyzed by Polarized Light Microscopy for asbestos and other fibrous constituents using EPA-600/R-93/116. The samples were acceptable upon receipt except where noted. The samples were examined under a stereomicroscope in a laboratory fume hood for general composition and phase separation. If needed, portions of the sample were removed and ground with a mortar and pestle before being mounted on a glass microscope slide. Mountings of representative portions of the material are prepared in one or more appropriate refractive index liquids (1.550, 1.605, 1.680) and examined by Polarized Light Microscopy*. Estimates of concentration are made on an area basis. The results of the analysis apply only to the materials analyzed and are summarized on the attached bulk asbestos analysis data sheets. DataChem Laboratories will dispose of all bulk samples after 60 days unless other arrangements are made.

Shawn Smythe
Shawn Smythe
Analyst

Anna Marie Ristich
Anna Marie Ristich
Reviewer

*Floor tiles, decorative paints, joint compounds, and cement materials require additional treatment in order to evaluate the concentration of small asbestos fibers bound in the material. Some samples may contain fibers that are not visible by PLM and can only be detected by electron microscopy techniques. Floor tiles are analyzed as homogeneous materials if insufficient mastic is present or if phases have been cross contaminated.

DataChem Laboratories NVLAP Lab ID: 101917. Laboratory accreditation by the National Institute of Standards and Technology does not in any way constitute approval or endorsement by NVLAP, NIST, or any agency of the federal government..

CINCINNATI OFFICE
4388 GLENDALE-MILFORD ROAD
CINCINNATI, OHIO 45242-3708
513 733-5336, FAX 513 733-5347

WEST COAST OFFICE
11 SANTA YORMA COURT
NOVATO, CALIFORNIA 94945
800 280-8071, FAX 415 893-9489

11/19/07

**DataChem Laboratories
Polarized Light Microscopy
Asbestos Analytical Report**


Client: Washington Closure Hanford
Location: 309
Set ID: 07-A-6463

Client Sample ID:	J15WJ8	J15WJ9	J15WK0	J15WK1	J15WK2
DCL Sample ID:	07-37417	07-37418	07-37419	07-37420	07-37421
Macroscopic Examination					
Accepted/Rejected:	Accepted	Accepted	Accepted	Accepted	Accepted
Homogeneity:	Homog.	Layered	Layered	Layered	Layered
		Inseparable	Inseparable	Inseparable	Inseparable
Color:	Grey/Yellow	Yellow/Black	Yellow/Black	Yellow/Black	Yellow/Grey
Texture:	Fbrs/Crmby	Fbrs/Resns	Fbrs/Resns	Fbrs/Resns	Fbrs/Pwdry
Description:	Material	Material	Material	Material	Material
Analysis:	PLM	PLM	PLM	PLM	PLM
Asbestiform Minerals					
% Chrysotile:	>3 ≤ 5				>1 ≤ 3
% Amosite:	Trace				>1 ≤ 3
% Crocidolite:					
% Tremolite - Actinolite:					
% Anthophyllite:					
% Total Asbestos:	>3 ≤ 5	ND	ND	ND	>2 ≤ 6
Other Materials					
% Cellulose:	>10 ≤ 20	>10 ≤ 20	>10 ≤ 20	>10 ≤ 20	
% Fiberglass:	>40 ≤ 50	>50 ≤ 60	>50 ≤ 60	>50 ≤ 60	>60 ≤ 70
% Other Fibers:					
% Resin/Binder:		>5 ≤ 10	>5 ≤ 10	>5 ≤ 10	
% Non Fibrous:	>20 ≤ 30	>5 ≤ 10	>5 ≤ 10	>5 ≤ 10	>20 ≤ 30

ND = None Detected Trace = <1%

Special Prep Procedures: None.

*Notes: P. O. #: Not Available.


Shawn Smythe
Microscopist

All values are in area percent by visual estimate. The Federal Register Vol. 55 No. 224 Tuesday Nov. 20 1990 Rules and Regulations states "... If the asbestos content is estimated to be less than 10% by a method other than point counting,... (the analysis) be repeated using the point counting technique by PLM." Any of the above samples can be reanalyzed by point counting at the client's request. Wherever possible, separate phases are analyzed and reported individually.

11/19/07

**DataChem Laboratories
Polarized Light Microscopy
Asbestos Analytical Report**

Client: Washington Closure Hanford

Location: 309


Set ID: 07-A-6463

Client Sample ID:	J15WK6	J15WK6	J15WK7	J15WK8	J15WK8
DCL Sample ID:	07-37422A	07-37422B	07-37423	07-37424A	07-37424B
Macroscopic Examination					
Accepted/Rejected:	Accepted	Accepted	Accepted	Accepted	Accepted
Homogeneity:	Layered	Layered	Layered	Layered	Layered
Color:	Grey	Black	Yellow/Grey	Black	Brown
Texture:	Compact	Resinous	Fbrs/Pwdry	Flexible	Crumbly
Description:	Tile	Mastic	Material	Covebase	Mastic
Analysis:	PLM	PLM	PLM	PLM	PLM
Asbestiform Minerals					
% Chrysotile:	>1 ≤ 3	>3 ≤ 5	>1 ≤ 3		
% Amosite:			>1 ≤ 3		
% Crocidolite:					
% Tremolite - Actinolite:					
% Anthophyllite:					
% Total Asbestos:	>1 ≤ 3	>3 ≤ 5	>2 ≤ 6	ND	ND
Other Materials					
% Cellulose:					
% Fiberglass:			>60 ≤ 70		
% Other Fibers:					
% Resin/Binder:	>10 ≤ 20	>70 ≤ 80		>20 ≤ 30	>70 ≤ 80
% Non Fibrous:	>70 ≤ 80	>10 ≤ 20	>20 ≤ 30	>60 ≤ 70	>10 ≤ 20

ND = None Detected Trace = <1%

Special Prep Procedures: None.

*Notes: P. O. #: Not Available.


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11/19/07

**DataChem Laboratories
Polarized Light Microscopy
Asbestos Analytical Report**

Client: Washington Closure Hanford

Location: 309


Set ID: 07-A-6463

Client Sample ID:	J15WK9	J15WK9	J15WL0	J15WL0	J15WL1
DCL Sample ID:	07-37425A	07-37425B	07-37426A	07-37426B	07-37427
Macroscopic Examination					
Accepted/Rejected:	Accepted	Accepted	Accepted	Accepted	Accepted
Homogeneity:	Layered	Layered	Layered	Layered	Layered
Color:	Grey	Brown	Grey	Brown	Inseparable Grey/Black
Texture:	Fbrs/Crmby	Crumbly	Fbrs/Crmby	Crumbly	Fbrs/Resns
Description:	Ceiling Tile	Mastic	Ceiling Tile	Mastic	Material
Analysis:	PLM	PLM	PLM	PLM	PLM
Asbestiform Minerals					
% Chrysotile:					>1 ≤ 3
% Amosite:					
% Crocidolite:					
% Tremolite - Actinolite:					
% Anthophyllite:					
% Total Asbestos:	ND	ND	ND	ND	>1 ≤ 3
Other Materials					
% Cellulose:	>40 ≤ 50		>40 ≤ 50		>60 ≤ 70
% Fiberglass:	>20 ≤ 30		>20 ≤ 30		
% Other Fibers:					
% Resin/Binder:		>70 ≤ 80		>70 ≤ 80	>10 ≤ 20
% Non Fibrous:	>10 ≤ 20	>10 ≤ 20	>10 ≤ 20	>10 ≤ 20	>5 ≤ 10

ND = None Detected Trace = <1%

Special Prep Procedures: None.

*Notes: P. O. #: Not Available.


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 Microscopist

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11/19/07

**DataChem Laboratories
Polarized Light Microscopy
Asbestos Analytical Report**

Client: Washington Closure Hanford

Location: 309


Set ID: 07-A-6463

Client Sample ID:	J15WL2	J15WL3	J15WL4	J15WL5	J15WL6
DCL Sample ID:	07-37428	07-37429	07-37430	07-37431	07-37432
Macroscopic Examination					
Accepted/Rejected:	Accepted	Accepted	Accepted	Accepted	Accepted
Homogeneity:	Homog.	Layered	Homog.	Homog.	Layered
		Inseparable			Inseparable
Color:	Grey	Grey/Black	Grey	Grey	Grey/Black
Texture:	Crmby/Fbrs	Fbrs/Resns	Crmby/Fbrs	Crmby/Fbrs	Fbrs/Resns
Description:	Material	Material	Material	Material	Material
Analysis:	PLM	PLM	PLM	PLM	PLM
Asbestiform Minerals					
% Chrysotile:		>1 ≤ 3			>1 ≤ 3
% Amosite:					
% Crocidolite:					
% Tremolite - Actinolite:					
% Anthophyllite:					
% Total Asbestos:	ND	>1 ≤ 3	ND	ND	>1 ≤ 3
Other Materials					
% Cellulose:	>5 ≤ 10	>60 ≤ 70	>5 ≤ 10		>60 ≤ 70
% Fiberglass:	>20 ≤ 30		>20 ≤ 30	>30 ≤ 40	
% Other Fibers:					
% Resin/Binder:		>10 ≤ 20			>10 ≤ 20
% Non Fibrous:	>50 ≤ 60	>5 ≤ 10	>50 ≤ 60	>50 ≤ 60	>5 ≤ 10

ND = None Detected Trace = <1%

Special Prep Procedures: None.

*Notes: P. O. #: Not Available.


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**DataChem Laboratories
Polarized Light Microscopy
Asbestos Analytical Report**

Client: Washington Closure Hanford
Location: 309
Set ID: 07-A-6463

Client Sample ID:	J15WL7	J15WL8	J15WL8	J15WL9	J15WL9
DCL Sample ID:	07-37433	07-37434A	07-37434B	07-37435A	07-37435B
Macroscopic Examination					
Accepted/Rejected:	Accepted	Accepted	Accepted	Accepted	Accepted
Homogeneity:	Layered	Layered	Layered	Layered	Layered
	Inseparable				
Color:	Grey/Tan	Grey	Black	Grey	Black
Texture:	Crmbly/Fbrs	Compact	Resinous	Compact	Resinous
Description:	Drywall	Tile	Mastic	Tile	Mastic
Analysis:	PLM	PLM	PLM	PLM	PLM
Asbestiform Minerals					
% Chrysotile:			>1 ≤ 3	>1 ≤ 3	>1 ≤ 3
% Amosite:					
% Crocidolite:					
% Tremolite - Actinolite:					
% Anthophyllite:					
% Total Asbestos:	ND	ND	>1 ≤ 3	>1 ≤ 3	>1 ≤ 3
Other Materials					
% Cellulose:	>10 ≤ 20		>3 ≤ 5		>3 ≤ 5
% Fiberglass:					
% Other Fibers:					
% Resin/Binder:		>10 ≤ 20	>70 ≤ 80	>10 ≤ 20	>70 ≤ 80
% Non Fibrous:	>70 ≤ 80	>70 ≤ 80	>10 ≤ 20	>70 ≤ 80	>10 ≤ 20

ND = None Detected Trace = <1%

Special Prep Procedures: None.

*Notes: P. O. #: Not Available.

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11/20/07

**DataChem Laboratories
Polarized Light Microscopy
Asbestos Analytical Report**

Client: Washington Closure Hanford

Location: 309

Set ID: 07-A-6463

Client Sample ID:	J15WM0	J15WM0	J15WM1	J15WM1	J15WM2
DCL Sample ID:	07-37436A	07-37436B	07-37437A	07-37437B	07-37438
Macroscopic Examination					
Accepted/Rejected:	Accepted	Accepted	Accepted	Accepted	Accepted
Homogeneity:	Layered	Layered	Layered	Layered	Layered
Color:	Grey	Black	Black	Brown	Inseparable
Texture:	Compact	Resinous	Flexible	Crumbly	Brown/Tan
Description:	Tile	Mastic	Covebase	Mastic	Fbrs/Crmby
Analysis:	PLM	PLM	PLM	PLM	PLM
Asbestiform Minerals					
% Chrysotile:	>1 ≤ 3	>1 ≤ 3			
% Amosite:					
% Crocidolite:					
% Tremolite - Actinolite:					
% Anthophyllite:					
% Total Asbestos:	>1 ≤ 3	>1 ≤ 3	ND	ND	ND
Other Materials					
% Cellulose:		>3 ≤ 5			
% Fiberglass:					
% Other Fibers:					>70 ≤ 80
% Resin/Binder:	>10 ≤ 20	>70 ≤ 80	>20 ≤ 30	>60 ≤ 70	
% Non Fibrous:	>70 ≤ 80	>10 ≤ 20	>60 ≤ 70	>20 ≤ 30	>10 ≤ 20

ND = None Detected Trace = <1%

Special Prep Procedures: None.

*Notes: P. O. #: Not Available.



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Microscopist

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11/20/07

**DataChem Laboratories
Polarized Light Microscopy
Asbestos Analytical Report**

Client: Washington Closure Hanford

Location: 309

Set ID: 07-A-6463

Client Sample ID:	J15WM3	J15WM3	J15WM3	J15WM4	J15WM5
DCL Sample ID:	07-37439A	07-37439B	07-37439C	07-37440	07-37441
Macroscopic Examination					
Accepted/Rejected:	Accepted	Accepted	Accepted	Accepted	Accepted
Homogeneity:	Layered	Layered	Layered	Homog.	Homog.
Color:	Grey	Tan	Tan	Grey	Grey
Texture:	Compact	Resinous	Crmby/Fbrs	Fibrous	Fbrs/Crmby
Description:	Tile	Mastic	Mastic	Material	Ceiling Tile
Analysis:	PLM	PLM	PLM	PLM	PLM
Asbestiform Minerals					
% Chrysotile:	>1 ≤ 3	Trace			
% Amosite:					
% Crocidolite:					
% Tremolite - Actinolite:					
% Anthophyllite:					
% Total Asbestos:	>1 ≤ 3	Trace	ND	ND	ND
Other Materials					
% Cellulose:					>40 ≤ 50
% Fiberglass:					>20 ≤ 30
% Other Fibers:			>5 ≤ 10	>80 ≤ 90	
% Resin/Binder:	>10 ≤ 20	>70 ≤ 80	>50 ≤ 60		
% Non Fibrous:	>70 ≤ 80	>10 ≤ 20	>20 ≤ 30	>5 ≤ 10	>10 ≤ 20

ND = None Detected Trace = <1%

Special Prep Procedures: None.

*Notes: P. O. #: Not Available.



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11/19/07

**DataChem Laboratories
Polarized Light Microscopy
Asbestos Analytical Report**

Client: Washington Closure Hanford

Location: 309


Set ID: 07-A-6463

Client Sample ID:	J15WM6	J15WM7	J15WM8	J15WM8	J15WM9
DCL Sample ID:	07-37442	07-37443	07-37444A	07-37444B	07-37445A
Macroscopic Examination					
Accepted/Rejected:	Accepted	Accepted	Accepted	Accepted	Accepted
Homogeneity:	Layered	Homog.	Layered	Layered	Layered
	Inseparable				
Color:	Grey/Tan	Grey	Grey	Tan	Grey
Texture:	Crmby/Fbrs	Crmby/Fbrs	Compact	Resinous	Compact
Description:	Drywall	Material	Tile	Mastic	Tile
Analysis:	PLM	PLM	PLM	PLM	PLM
Asbestiform Minerals					
% Chrysotile:			>1 ≤ 3		>1 ≤ 3
% Amosite:					
% Crocidolite:					
% Tremolite - Actinolite:					
% Anthophyllite:					
% Total Asbestos:	ND	ND	>1 ≤ 3	ND	>1 ≤ 3
Other Materials					
% Cellulose:	>10 ≤ 20				
% Fiberglass:					
% Other Fibers:		>30 ≤ 40			
% Resin/Binder:			>10 ≤ 20	>70 ≤ 80	>10 ≤ 20
% Non Fibrous:	>70 ≤ 80	>50 ≤ 60	>70 ≤ 80	>10 ≤ 20	>70 ≤ 80

ND = None Detected Trace = <1%

Special Prep Procedures: None.

*Notes: P. O. #: Not Available.


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11/19/07

**DataChem Laboratories
Polarized Light Microscopy
Asbestos Analytical Report**

Client: Washington Closure Hanford

Location: 309


Set ID: 07-A-6463

Client Sample ID:	J15WM9	J15WM9	J15WN0	J15WN0	J15WN0
DCL Sample ID:	07-37445B	07-37445C	07-37446A	07-37446B	07-37446C
Macroscopic Examination					
Accepted/Rejected:	Accepted	Accepted	Accepted	Accepted	Accepted
Homogeneity:	Layered	Layered	Layered	Layered	Layered
Color:	Tan	Tan	Grey	Black	Tan/Black
Texture:	Resinous	Crumbly	Compact	Resinous	Crumbly
Description:	Mastic	Mastic	Tile	Mastic	Mastic
Analysis:	PLM	PLM	PLM	PLM	PLM
Asbestiform Minerals					
% Chrysotile:			>1 ≤ 3	>1 ≤ 3	>1 ≤ 3
% Amosite:					
% Crocidolite:					
% Tremolite - Actinolite:					
% Anthophyllite:					
% Total Asbestos:	ND	ND	>1 ≤ 3	>1 ≤ 3	>1 ≤ 3
Other Materials					
% Cellulose:					
% Fiberglass:					
% Other Fibers:					
% Resin/Binder:	>70 ≤ 80	>70 ≤ 80	>10 ≤ 20	>70 ≤ 80	>70 ≤ 80
% Non Fibrous:	>10 ≤ 20	>10 ≤ 20	>70 ≤ 80	>10 ≤ 20	>10 ≤ 20

ND = None Detected Trace = <1%

Special Prep Procedures: None.

*Notes: P. O. #: Not Available.


 Shawn Smythe
 Microscopist

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11/19/07

**DataChem Laboratories
Polarized Light Microscopy
Asbestos Analytical Report**

Client: Washington Closure Hanford
Location: 309
Set ID: 07-A-6463

Client Sample ID: J15WN1
DCL Sample ID: 07-37447

Macroscopic Examination

Accepted/Rejected: Accepted
Homogeneity: Homog.
Color: Grey
Texture: Compact
Description: Material
Analysis: PLM

Asbestiform Minerals

% Chrysotile:
% Amosite:
% Crocidolite:
% Tremolite - Actinolite:
% Anthophyllite:
% Total Asbestos: ND

Other Materials


% Cellulose:
% Fiberglass:
% Other Fibers:

% Resin/Binder:
% Non Fibrous: >90 ≤ 100

ND = None Detected Trace = <1%

Special Prep Procedures: None.

*Notes: P. O. #: Not Available.


Shawn Smythe
Microscopist

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Washington Closure Hanford		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				RC-040-336		Page 2 of 10													
Collector Mike Stankovich		Company Contact MT Stankovich		Telephone No. 531-7620		Project Coordinator KESSNER, JH		Price Code 9K Data Turnaround 7 Days													
Project Designation 300 Area D&D Waste Characterization Sampling - Other Soli		Sampling Location 309		SAF No. RC-040																	
Ice Chest No. FED EX BOX		Field Logbook No. EL-1518-9		COA See below		Method of Shipment Federal Express															
Shipped To DataChem Laboratories - Cincinnati		Offsite Property No. A080033		Bill of Lading/Air Bill No. See OSPC																	
POSSIBLE SAMPLE HAZARDS/REMARKS Asbestos & Be Special Handling and/or Storage 07.A-6463			Preservation	None																	
			Type of Container	G/P																	
			No. of Container(s)	1																	
			Volume	5g																	
SAMPLE ANALYSIS 07 -			Asbestos BULK-EPA																		
Sample No.	Matrix *	Sample Date	Sample Time																		
J15WJ7 NO 11/12/07	OTHER SOLID	11/14/07																			
J15WJ8 37417	OTHER SOLID	11/12/07	0800	X																	
J15WJ9 37418	OTHER SOLID		0803	X																	
J15WK0 37419	OTHER SOLID		0806	X																	
J15WK1 37420	OTHER SOLID		0809	✓																	
CHAIN OF POSSESSION				Sign/Print Names				SPECIAL INSTRUCTIONS						Matrix *							
Relinquished By/Removed From		Date/Time 1015		Received By/Stored In		Date/Time		Laboratory Analysis, Data Management, and Shipping COA - RD4MXX2F00						S=Soil SE=Sediment SO=Solid SL=Sludge W=Water O=Oil A=Air DS=Drum Solids DL=Drum Liquids T=Tissue W=Wipe L=Liquid V=Vegetation X=Other							
Relinquished By/Removed From		Date/Time 11/12/07		Received By/Stored In		Date/Time															
Relinquished By/Removed From		Date/Time 11/20/07 1500		Received By/Stored In		Date/Time															
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time															
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time															
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time															
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time															
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time															
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time															
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time															
LABORATORY SECTION		Received By		Title		Date/Time															
FINAL SAMPLE DISPOSITION		Disposal Method		Disposed By		Date/Time															

Washington Closure Hanford		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				RC-040-336		Page 3 of 10									
Collector Mike Stankovich		Company Contact MT Stankovich		Telephone No. 531-7620		Project Coordinator KESSNER, JH		Price Code 9K Data Turnaround 7 Days									
Project Designation 300 Area D&D Waste Characterization Sampling - Other Soli		Sampling Location 309		SAF No. RC-040													
Ice Chest No. FED EX BOX		Field Logbook No. EL-1518-9		COA See below		Method of Shipment Federal Express											
Shipped To DataChem Laboratories - Cincinnati		Offsite Property No. A 080033				Bill of Lading/Air Bill No. See OSPC											
POSSIBLE SAMPLE HAZARDS/REMARKS Asbestos & Be Special Handling and/or Storage				Preservation	None												
				Type of Container	G/P												
				No. of Container(s)	1												
				Volume	5g												
SAMPLE ANALYSIS <div style="font-size: 2em; text-align: center;">6463</div>				Asbestos- BULK-EPA													
Sample No.	Matrix *	Sample Date	Sample Time														
J15WK2 37421	OTHER SOLID		0812														
J15WK3 no	OTHER SOLID																
J15WK4 11/12/07	OTHER SOLID																
J15WK5 37422	OTHER SOLID																
J15WK6 37423	OTHER SOLID		0824														
CHAIN OF POSSESSION				Sign/Print Names				SPECIAL INSTRUCTIONS Laboratory Analysis, Data Management, and Shipping COA - RD4MXX2F00				Matrix * S=Soil SE=Settlement SO=Solid SL=Sediment W=Water O=Oil A=Air DS=Dry Solids DL=Dry Liquids T=Tissue WJ=Wipe L=Liquid V=Vegetation X=Other					
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time											
<i>MT Stankovich</i>		10/15		<i>KMSingleton</i>		11-12-07 1015											
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time											
<i>KMSingleton</i>		11-12-07 1500		FED EX													
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time											
						11/13/07 1500											
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time											
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time											
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time											
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time											
LABORATORY SECTION		Received By				Title				Date/Time							
		<i>[Signature]</i>								11/13/07 1500							
FINAL SAMPLE DISPOSITION		Disposal Method				Disposed By				Date/Time							

Washington Closure Hanford		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				RC-040-336		Page 4 of 10										
Collector Mike Stankovich		Company Contact MT Stankovich		Telephone No. 531-7620		Project Coordinator KESSNER, JH		Price Code 9K Data Turnaround 7 Days										
Project Designation 300 Area D&D Waste Characterization Sampling - Other Soli		Sample Location 309		SAF No. RC-040														
Ice Chest No. FED EX BOX		Field Logbook No. EL-1518-9		COA See below		Method of Shipment Federal Express												
Shipped To DataChem Laboratories - Cincinnati		Offsite Property No. A080033		Bill of Lading/Air Bill No. See OSPC														
POSSIBLE SAMPLE HAZARDS/REMARKS Asbestos & Be Special Handling and/or Storage				Preservation	None													
				Type of Container	G/P													
				No. of Container(s)	1													
				Volume	5g													
SAMPLE ANALYSIS <div style="text-align: center; font-size: 2em; margin-top: 10px;">6463</div>				Asbestos- BULK-EPA														
Sample No.	Matrix *	Sample Date	Sample Time															
J15WK7 37423	OTHER SOLID	11/12/07	0827	X														
J15WK8 37424	OTHER SOLID	↓	0830	X														
J15WK9 37425	OTHER SOLID		0833	X														
J15WL0 37426	OTHER SOLID		0836	X														
J15WL1 37427	OTHER SOLID		0839	X														
CHAIN OF POSSESSION				Sign/Print Names		SPECIAL INSTRUCTIONS Laboratory Analysis, Data Management, and Shipping COA - RD4MXX2F00						Matrix * S=Soil SE=Sediment SO=Solid Sl=Sludge W=Water O=Oil A=Air DS=Drum Solids DL=Drum Liquids T=Tissue Wt=Wipe L=Liquid V=Vegetation X=Other						
Relinquished By/Removed From		Date/Time	1015	Received By/Stored In										Date/Time				
<i>M. Stankovich</i>		Date/Time	11/12/07	<i>K. Stankovich</i>										Date/Time	11/12/07 1015			
Relinquished By/Removed From		Date/Time	1500	Received By/Stored In										Date/Time				
<i>K. Stankovich</i>		Date/Time	11/12/07 1500	<i>FED EX</i>										Date/Time				
Relinquished By/Removed From		Date/Time		Received By/Stored In										Date/Time	11/13/07			
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time												
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time												
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time												
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time												
LABORATORY SECTION		Received By		Title		Date/Time												
		<i>[Signature]</i>				11/13/07 1500												
FINAL SAMPLE DISPOSITION		Disposal Method		Disposed By		Date/Time												

Washington Closure Hanford		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				RC-040-336		Page 2 of 10									
Collector Mike Stankovich		Company Contact MT Stankovich		Telephone No. 531-7620		Project Coordinator KESSNER, JH		Price Code 9K Data Turnaround 7 Days									
Project Designation 300 Area D&D Waste Characterization Sampling - Other Soli		Sampling Location 309		SAF No. RC-040													
Ice Chest No. FED EX BOX		Field Logbook No. EL-1518-9		COA See below		Method of Shipment Federal Express											
Shipped To DataChem Laboratories - Cincinnati		Offsite Property No. A080033		Bill of Lading/Air Bill No. See OSPC													
POSSIBLE SAMPLE HAZARDS/REMARKS Asbestos & Be Special Handling and/or Storage				Preservation	None												
				Type of Container	G/P												
				No. of Container(s)	1												
				Volume	5g												
SAMPLE ANALYSIS <div style="text-align: center; font-size: 2em; font-family: cursive;">6463</div>				Asbestos- BULK-EPA													
Sample No.	Matrix *	Sample Date	Sample Time														
J15WL2 37428	OTHER SOLID	11/12/07	0842	X													
J15WL3 37429	OTHER SOLID	↓	0845	X													
J15WL4 37430	OTHER SOLID		0848	X													
J15WL5 37431	OTHER SOLID		0851	X													
J15WL6 37432	OTHER SOLID		0854	X													
CHAIN OF POSSESSION				Sign/Print Names		SPECIAL INSTRUCTIONS Laboratory Analysis, Data Management, and Shipping COA - RD4MXX2F00						Matrix * S=Soil SE=Sediment SO=Solid SL=Sludge W=Water O=Oil A=Air DS=Drum Solids DL=Drum Liquids T=Tissue WI=Wipe L=Liquid V=Vegetation X=Other					
Relinquished By/Removed From		Date/Time	1015	Received By/Stored In										Date/Time			
<i>Mike Stankovich</i>		Date/Time	11/12/07	<i>MM Stankovich</i>										Date/Time			
Relinquished By/Removed From		Date/Time	1500	Received By/Stored In										Date/Time			
<i>MM Stankovich</i>		Date/Time	11-12-07 1500	FED EX										Date/Time			
Relinquished By/Removed From		Date/Time		Received By/Stored In										Date/Time			
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time											
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time											
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time											
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time											
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time											
LABORATORY SECTION		Received By		Title		Date/Time											
FINAL SAMPLE DISPOSITION		Disposal Method		Disposed By						Date/Time							

Washington Closure Hanford		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				RC-040-336		Page 6 of 10										
Collector Mike Stankovich		Company Contact MT Stankovich		Telephone No. 531-7620		Project Coordinator KESSNER, JH		Price Code 9K Data Turnaround 7 Days										
Project Designation 300 Area D&D Waste Characterization Sampling - Other Soli		Sampling Location 309		SAF No. RC-040														
Ice Chest No. FED EX BOX		Field Logbook No. EL-1518-9		COA See below		Method of Shipment Federal Express												
Shipped To DataChem Laboratories - Cincinnati		Offsite Property No. A080033		Bill of Lading/Air Bill No. See OSPC														
POSSIBLE SAMPLE HAZARDS/REMARKS Asbestos & Be Special Handling and/or Storage				Preservation	None													
				Type of Container	G/P													
				No. of Container(s)	1													
				Volume	5g													
SAMPLE ANALYSIS 6463					Asbestos- BULK-EPA													
Sample No.	Matrix *	Sample Date	Sample Time															
J15WL7 37433	OTHER SOLID	11/12/07	0857	X														
J15WL8 37434	OTHER SOLID		0900	X														
J15WL9 37435	OTHER SOLID		0903	X														
J15WM0 37436	OTHER SOLID		0906	X														
J15WM1 37437	OTHER SOLID		0907	X														
CHAIN OF POSSESSION				Sign/Print Names		SPECIAL INSTRUCTIONS						Matrix *						
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time		Laboratory Analysis, Data Management, and Shipping COA - RD4MXX2F00						S=Soil SE=Sediment SO=Solid SL=Sludge W=Water O=Oil A=Air DS=Dryum Solids DL=Dryum Liquids T=Tissue WI=Wipe L=Liquid V=Vegetation X=Other				
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time												
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time												
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time												
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time												
LABORATORY SECTION		Received By		Title		Date/Time												
FINAL SAMPLE DISPOSITION		Disposal Method		Disposed By						Date/Time								

Washington Closure Hanford		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				RC-040-336		Page 1 of 10	
Collector Mike Stankovich		Company Contact MT Stankovich		Telephone No. 531-7620		Project Coordinator KESSNER, JH		Price Code 9K Data Turnaround 7 Days	
Project Designation 300 Area D&D Waste Characterization Sampling - Other Soli		Sampling Location 309		SAF No. RC-040					
Ice Chest No. FED EX BOX		Field Logbook No. EL-1518-9		COA See below		Method of Shipment Federal Express			
Shipped To DataChem Laboratories - Cincinnati		Offsite Property No. A080033		Bill of Lading/Air Bill No. See OSPC					
POSSIBLE SAMPLE HAZARDS/REMARKS Asbestos & Be Special Handling and/or Storage		Preservation		None					
		Type of Container		G/P					
		No. of Container(s)		1					
		Volume		5g					
SAMPLE ANALYSIS <div style="font-size: 2em; text-align: center;">6463</div>				Asbestos- BULK-EPA					
Sample No.	Matrix *	Sample Date	Sample Time						
J15WM2 37438	OTHER SOLID	11/12/07	0912	X					
J15WM3 37439	OTHER SOLID	J	0915	X					
J15WM4 37440	OTHER SOLID		0918	X					
J15WM5 37441	OTHER SOLID		0921	X					
J15WM6 37442	OTHER SOLID		0924	X					
CHAIN OF POSSESSION				Sign/Print Names		SPECIAL INSTRUCTIONS Laboratory Analysis, Data Management, and Shipping COA - RD4MXX2F00 Matrix * S=Soil SE=Settlement SO=Solid SL=Sludge W=Water O=Oil A=Air DS=Dry-m Solids DL=Dry-m Liquids T=Tissue WJ=Wipe L=Liquid V=Vegetation X=Other			
Relinquished By/Removed From		Date/Time	Received By/Stored In	Date/Time					
M. Stankovich		11/12/07	M. Stankovich	11/12/07 1015					
Relinquished By/Removed From		Date/Time	Received By/Stored In	Date/Time					
B. King		11/12/07 1500	FED EX						
Relinquished By/Removed From		Date/Time	Received By/Stored In	Date/Time					
			[Signature]	11/13/07					
Relinquished By/Removed From		Date/Time	Received By/Stored In	Date/Time					
Relinquished By/Removed From		Date/Time	Received By/Stored In	Date/Time					
Relinquished By/Removed From		Date/Time	Received By/Stored In	Date/Time					
LABORATORY SECTION		Received By		Title		Date/Time			
		[Signature]				11/13/07 1500			
FINAL SAMPLE DISPOSITION		Disposal Method		Disposed By		Date/Time			

Washington Closure Hanford		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				RC-040-336		Page 8 of 10	
Collector Mike Stankovich		Company Contact MT Stankovich		Telephone No. 531-7620		Project Coordinator KESSNER, JH		Price Code 9K Data Turnaround 7 Days	
Project Designation 300 Area D&D Waste Characterization Sampling - Other Soli		Sampling Location 309		SAF No. RC-040					
Ice Chest No. FED EX BOX		Field Logbook No. EL-1518-9		COA See below		Method of Shipment Federal Express			
Shipped To DataChem Laboratories - Cincinnati		Offsite Property No. A080033		Bill of Lading/Air Bill No. See OSPC					
POSSIBLE SAMPLE HAZARDS/REMARKS Asbestos & Be Special Handling and/or Storage				Preservation		None			
				Type of Container		G/P			
				No. of Container(s)		1			
				Volume		5g			
SAMPLE ANALYSIS <div style="font-size: 2em; text-align: center;">6463</div>				Asbestos- BULK-EPA					
Sample No.		Matrix *		Sample Date		Sample Time			
J15WM7 32443		OTHER SOLID		11/12/07		0927		X	
J15WM8 32444		OTHER SOLID		↓		0930		X	
J15WM9 32445		OTHER SOLID				0933		X	
J15WN0 32446		OTHER SOLID				0936		X	
J15WN1 32447		OTHER SOLID				0939		X	
CHAIN OF POSSESSION				Sign/Print Names				SPECIAL INSTRUCTIONS Laboratory Analysis, Data Management, and Shipping COA - RD4MXX2F00 Matrix * S=Soil SE=Sediment SO=Solid SL=Sludge W = Water O=Oil A=Air DS=Drum Solids DL=Drum Liquids T=Tissue WI=Wipe L=Liquid V=Vegetation X=Other	
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time			
<i>Mike Stankovich</i>		10/15		<i>Mike Stankovich</i>		11-12-07 1015			
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time			
<i>Mike Stankovich</i>		11-12-07 1500		<i>FED EX</i>					
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time			
				<i>[Signature]</i>		11/13/07			
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time			
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time			
LABORATORY SECTION		Received By		Title		Date/Time			
		<i>[Signature]</i>				11/13/07 1500			
FINAL SAMPLE DISPOSITION		Disposal Method		Disposed By		Date/Time			